ABSTRACT

An optical device is provided including a conductive film having first and second surfaces, at least one aperture provided in the conductive film and extending from the first surface to the second surface, and a surface topography formed on at least one of the first and second surfaces, wherein said surface topography increases an intensity of light incident onto one of said first and second surfaces and transmitted through said aperture, wherein a region on which the surface topography is formed is larger than a region where the light is incident on the conductive film surface, and the aperture is formed on the region on which the surface topography is formed.